This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): An electronic camera comprising:

a photographic lens configured to form an object image;

an image sensing element configured to photoelectrically convert the formed object image;

a light guiding device configured to guide incident light from an object, which is incident from the photographic lens, to a first optical path to the image sensing element and a second optical path different from the first optical path;

a holding frame structure made of a heat-conducting material and configured to surround and fix the image sensing element and the light guiding device, so as to hold the image sensing element and the light guiding device in the electronic camera, wherein the holding frame structure ~~comprising~~ comprises an intimately contacting member formed of a plate member larger than the image sensing element, made of a heat-conducting material, and intimately contacting with the image sensing element to transfer heat generated by the image sensing element, and a heat-transfer frame member made of a heat-conducting material and surrounding the light guiding device, such that the intimately contacting member and the heat-transfer frame member intimately contact with each other to transfer heat generated by the image sensing element through the intimately contacting member to the heat-transfer frame member; and

a lens casing configured to accommodate the photographic lens, the lens casing comprising a heat-radiating portion made of a heat-conducting material and configured to radiate heat to an outside of the camera,

wherein the holding frame structure and the lens casing are arranged such that heat from the heat-transfer frame ~~intimately contacting~~ member is conducted to the heat-radiating portion of the lens casing.

Claims 2-6 (canceled)

Claim 7 (original): The camera according to claim 1, wherein the light guiding device comprises an optical path switching device configured to switch first and second states in which the incident light is output to the first and second optical paths, respectively.

Claim 8 (original): The camera according to claim 7, wherein the optical path switching device comprises a movable mirror.

Claim 9 (currently amended): An electronic camera comprising:

a photographic lens configured to form an object image;

an image sensing element configured to photoelectrically convert the formed object image;

a light guiding device configured to guide incident light from an object, which is incident from the photographic lens, to a first optical path to the image sensing element and a second optical path different from the first optical path;

a holding frame structure made of a heat-conducting material and configured to surround and fix the image sensing element and the light guiding device, so as to hold the image sensing element and the light guiding device in the electronic camera, wherein the holding frame structure ~~comprising~~ comprises an intimately contacting member formed of a plate member larger than the image sensing element, made of a heat-conducting material, and intimately contacting with the image sensing element to transfer heat generated by the image sensing element, and a heat-transfer frame member made of a heat-conducting material and surrounding the light guiding device, such that the intimately contacting member and the heat-transfer frame member intimately contact with each other to transfer heat generated by the image sensing element through the intimately contacting member to the heat-transfer frame member;

an outer casing configured to accommodate the image sensing element, the light guiding device, and the holding frame structure, the outer casing comprising a heat-radiating portion made of a heat-conducting material and configured to radiate heat to an outside of the camera; and

a lens casing configured to accommodate the photographic lens, the lens casing comprising a heat-radiating portion made of a heat-conducting material and configured to radiate heat to an outside of the camera,

wherein the holding frame structure, the outer casing, and the lens casing are arranged such that heat from the heat-transfer frame ~~intimately contacting~~ member is conducted to both the heat-radiating ~~portions~~ portion

of the outer casing and the heat-radiating portion of the lens casing.

Claims 10-14 (canceled)

Claim 15 (original): The camera according to claim 9, wherein the light guiding device comprises an optical path switching device configured to switch first and second states in which the incident light is output to the first and second optical paths, respectively.

Claim 16 (original): The camera according to claim 15, wherein the optical path switching device comprises a movable mirror.

Claim 17 (currently amended): An electronic camera comprising:

a photographic lens configured to form an object image;

an image sensing element configured to photoelectrically convert the formed object image;

a light guiding device configured to guide incident light from an object, which is incident from the photographic lens, to a first optical path to the image sensing element and a second optical path different from the first optical path;

a holding frame structure made of a heat-conducting material and configured to surround and fix the image sensing element and the light guiding device, so as to hold the image sensing element and the light guiding device in the electronic camera, wherein the holding frame structure ~~comprising~~ comprises an intimately

contacting member formed of a plate member larger than the image sensing element, ~~which is~~ made of a heat-conducting material, and intimately ~~contacts~~ contacting with the image sensing element to transfer heat generated by the image sensing element, and a heat-transfer frame member ~~formed~~ made of a ~~box member, which is made of~~ heat-conducting material~~, surrounds~~ and surrounding the light guiding device, such that ~~and is thermally connected to~~ the intimately contacting member and the heat-transfer frame member intimately contact with each other to transfer heat generated by the image sensing element through the intimately contacting member to the heat-transfer frame member; and

an outer casing configured to accommodate the image sensing element, the light guiding device, and the holding frame structure, the outer casing comprising a heat-radiating portion made of a heat-conducting material and configured to radiate heat to an outside of the camera,

wherein the holding frame structure and the outer casing are arranged such that the heat-radiating portion of the outer casing is thermally connected to the heat-transfer frame member, and heat from the heat transfer frame ~~intimately contacting~~ member is conducted to the heat-radiating portion of the outer casing.

Claims 18-20 (canceled)

Claim 21 (original): The camera according to claim 17, wherein the light guiding device comprises an optical path switching device configured to switch first and

second states in which the incident light is output to the first and second optical paths, respectively.

Claim 22 (new): The camera according to claim 1, further comprising:

a second plate member made of a heat-conducting material,

wherein the second plate member is directly and intimately connected to both the holding frame structure and the lens casing such that heat from the heat-transfer frame member is conducted to the heat-radiating portion of the lens casing via the second plate member.

Claim 23 (new): The camera according to claim 22 wherein the second plate member is directly and intimately connected to the heat-transfer frame member.

Claim 24 (new): The camera according to claim 9, further comprising:

a second plate member made of a heat-conducting material,

wherein the second plate member is directly and intimately connected to all of (1) the holding frame structure, (2) the outer casing and (3) the lens casing such that heat from the heat-transfer frame member is conducted, via the second plate member, to both the heat-radiating portion of the outer casing and the heat-radiation portion of the lens casing.

Claim 25 (new): The camera according to claim 24 wherein the second plate member is directly and intimately connected to the heat-transfer frame member.

Claim 26 (new): The camera according to claim 17, further comprising:

a second plate member made of a heat-conducting material,

wherein the second plate member is directly and intimately connected to both the holding frame structure and the outer casing such heat from the heat transfer frame member is conducted to the heat-radiating portion of the outer casing via the second plate member.

Claim 27 (new): The camera according to claim 26 wherein the second plate member is directly and intimately connected to the heat-transfer frame member.